

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Daniel J. Bolda et al.

Serial No.: 09/675,858

Filed: September 29, 2000

For: ADJUSTABLE GAIN PRECISION
FULL WAVE RECTIFIER WITH
REDUCED ERROR

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§
§

Group Art Unit: 2819

Examiner: Jeanglaude, Jean B.

Atty. Docket: 99AB139-A/YOD
ALBR:0067--1

VIA Facsimile (703) 308-6251

Assistant Commissioner

for Patents

BOX ISSUE FEE

Washington, D.C. 20231

CERTIFICATE OF TRANSMISSION OR MAILING
37 C.F.R. 1.8

I hereby certify that this correspondence is being transmitted by facsimile to the United States Patent and Trademark Office in accordance with 37 C.F.R. 1.6(d) or is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date below:

August 27, 2002

Date

Lynda Howell

Sir:

AMENDMENT UNDER 37 C.F.R. § 1.312

Applicants hereby request an amendment in accordance with 37 C.F.R. § 1.312 as summarized below.

Prior to issuance of the above-referenced application, Applicants hereby request entry of the following amendment:

IN THE SPECIFICATION

Please add the following sentence directly below the title in the specification:

The following is a continuation of application Serial No. 09/407,603, filed on September 28, 1999.

Serial no. 09/675,858
Amendment Under 37 C.F.R. §1.312
Page 2

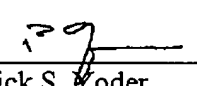
REMARKS

Applicants wish to thank the Examiner for the brief telephonic interview held with the undersigned on August 27, 2002 in which the Examiner pointed out the inadvertent exclusion of the cross-reference to the earlier-filed application, of which the present application is a continuation. By the present amendment the required cross-reference is added. Should the Examiner have any questions concerning the amendment, the Examiner is invited to contact the undersigned at the telephone number listed below.

Attached hereto is a marked-up version of the changes made to the drawings and claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

Date: 8/27/2002

Respectfully submitted,


Patrick S. Yoder
Reg. No. 37,479
Fletcher, Yoder & Van Someren
P.O. Box 692289
Houston, TX 77269-2289
(281) 970-4545

CORRESPONDENCE ADDRESS
ALLEN-BRADLEY COMPANY, LLC
Patent Department/704P Floor 8 T-29
1201 South Second Street
Milwaukee, Wisconsin 53204
Attention: Mr. Alexander Gerasimow
Phone: (414) 382-2000

Serial no. 09/675,858
Amendment Under 37 C.F.R. §1.312
Page 3

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION

The specification has been changed to add the following:

The following is a continuation of application Serial No. 09/407,603, filed on
September 28, 1999.

*** TX REPORT ***

TRANSMISSION OK

TX/RX NO 4498
CONNECTION TEL 17033086251
SUBADDRESS
CONNECTION ID UM1
ST. TIME 08/27 15:18
USAGE T 01'02
PGS. 4
RESULT OK

FLETCHER, YODER & VAN SOMEREN

A Professional Corporation

Attorneys at Law

7915 FM 1960 West, Suite 330
Houston, Texas 77070

Post Office Box 692289
Houston, Texas 77269-2289

Telephone (281) 970-4545
Facsimile (281) 970-4503

Facsimile Transmission

| | |
|-------------------------------------|---------------------------------------|
| DATE: August 27, 2002 | FILE: 99AB139-A/ALBR:0067-1 |
| TO: Examiner Jean B. Jeanglaude | COMPANY: Patent & Trademark Office |
| FROM: Patrick S. Yoder | EXTENSION: (281) 970-4545 |
| FACSIMILE NUMBER: (703) 308-6251 | NUMBER OF PAGES TO FOLLOW: 3 |

URGENT, PLEASE DELIVER IMMEDIATELY

NOTES/COMMENTS:

Amendment under 37 C.F.R. § 1.312 attached.

Thank you.

FLETCHER, YODER & VAN SOMEREN

A Professional Corporation

Attorneys at Law

7915 FM 1960 West, Suite 330
Houston, Texas 77070Post Office Box 692289
Houston, Texas 77269-2289Telephone (281) 970-4545
Facsimile (281) 970-4503**Facsimile Transmission**

| | |
|-------------------------------------|---------------------------------------|
| DATE: August 27, 2002 | FILE: 99AB139-A/ALBR:0067--1 |
| TO: Examiner Jean B. Jeanglaude | COMPANY: Patent & Trademark Office |
| FROM: Patrick S. Yoder | EXTENSION: (281) 970-4545 |
| FACSIMILE NUMBER: (703) 308-6251 | NUMBER OF PAGES TO FOLLOW: 3 |

URGENT, PLEASE DELIVER IMMEDIATELY

NOTES/COMMENTS:

*Amendment under 37 C.F.R. § 1.312 attached.**Thank you.***CONFIDENTIALITY NOTE**

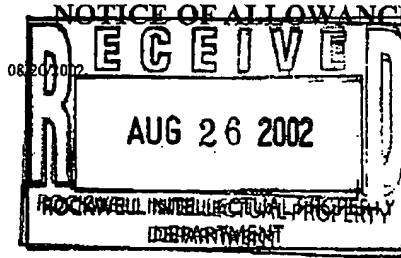
The documents accompanying this facsimile transmission contain information from the law firm of Fletcher, Yoder & Van Someren, P.C. which is confidential or privileged. The information is intended to be for the use of the individual or entity named on this transmission sheet. If you are not the intended recipient, be aware that any disclosure, copying, distribution or use of the contents of this faxed information is prohibited. If you have received this facsimile in error, please notify us by telephone immediately so that we can arrange for the retrieval of the original documents at no cost to you.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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Washington, D.C. 20231
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John J Horn
Rockwell Automation
1201 South Second Street
Milwaukee, WI 53204



| | |
|-------------------------|----------------|
| EXAMINER | |
| JEANGLAUDE, JEAN BRUNER | |
| ART UNIT | CLASS-SUBCLASS |
| 2819 | 341-139000 |

DATE MAILED: 08/20/2002

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/675,858 | 09/29/2000 | Daniel J. Bolda | 99AB139-A | 1079 |

TITLE OF INVENTION: ADJUSTABLE GAIN PRECISION FULL WAVE RECTIFIER WITH REDUCED ERROR

DOCKETED
FOR
BY *[Signature]*
CHECK'D BY *[Signature]*

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|-----------|-----------------|------------------|------------|
| nonprovisional | NO | \$1280 | \$0 | \$1280 | 11/20/2002 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:**I. Review the SMALL ENTITY status shown above.**

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- ☐ Applicant claims SMALL ENTITY status.
See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

Notice of Allowability

Application No.

09/675,858

Examiner

Jean B Jeanglaude

Applicant(s)

BOLDA ET AL

Art Unit

2819

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment files on 06-19-02.
2. ☒ The allowed claim(s) is/are 32-69.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☒ CORRECTED DRAWINGS must be submitted.
 - (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☒ to Paper No. 9.
 - (b) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the top margin (not the back) of each sheet. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892) | 2 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 4 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____ |
| 5 <input type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____ | 6 <input type="checkbox"/> Examiner's Amendment/Comment |
| 7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9 <input type="checkbox"/> Other |

Peguy Jeanpierre
PEGUY JEANPIERRE
 PRIMARY EXAMINER



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
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 Washington, D.C. 20231
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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-------------------------|-------------|----------------------|---------------------|------------------|
| 09/675,858 | 09/29/2000 | Daniel J. Bolda | 99AB139-A | 1079 |
| 7590 | 08/20/2002 | | EXAMINER | |
| JEANGLAUDE, JEAN BRUNER | | | | |
| ART UNIT | | | PAPER NUMBER | |
| 2819 | | | | |

John J Horn
 Rockwell Automation
 1201 South Second Street
 Milwaukee, WI 53204

DATE MAILED: 08/20/2002

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
 (application filed on or after May 29, 2000)

The patent term adjustment to date is 0 days. If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the term adjustment will be 0 days.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (<http://pair.uspto.gov>)



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20531
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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/475,858 | 09/29/2000 | Daniel J. Boldt | 99AB139-A | 1079 |

15911

09/07/2002

John J. Horn
Rockwell Automation
1201 South Second Street
Milwaukee, WI 53204

EXAMINER

JEANGLAUDE, JEAN BRUNER

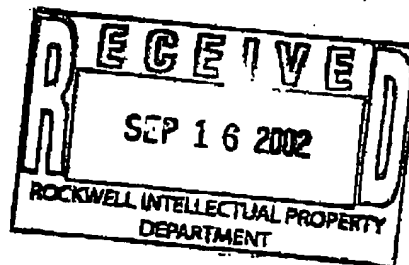
ART UNIT

PAPER NUMBER

2819

DATE MAILED: 09/07/2002

Please find below and/or attached an Office communication concerning this application or proceeding.



RAV ALBR:DO67
ICB-ANG

PTO-90C (Rev. 07-01)

| | | | |
|---|-------------------|--------------|--|
| Response to Rule 312 Communication | Application No. | Applicant(s) | |
| | 09/675,858 | BOLDA ET AL | |
| | Examiner | Art Unit | |
| | Jean B Jeanglaude | 2819 | |

- The MAILING DATE of this communication appears on the cover sheet with the correspondence address -

1. ☒ The amendment filed on 27 August 2002 under 37-CFR 1.312 has been considered, and has been:

a) ☒ entered.

b) ☐ entered as directed to matters of form not affecting the scope of the invention.

c) ☐ disapproved because the amendment was filed after the payment of the issue fee.

Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.

d) ☐ disapproved. See explanation below.

e) ☐ entered in part. See explanation below.


PEGUY JEANPIERRE
PRIMARY EXAMINER

Please indicate receipt of _____

Please indicate receipt of the below-identified paper:

☐ New application Specification: _____ Pages: _____ Drawings: _____ Sheets

☐ Continuation ☐ Divisional ☐ CIP ☐ Final Rejection

☐ Response to Office Action dated _____

☒ Other Transmittal of Formal Drawings; 3 sheets of formal drawings

☐ Assignment enclosed ☒ Cert. Of Timely Mailing ☐ Express Mail

Identification of Application: 09/675,858

Serial No. _____

Title ADJUSTABLE GAIN PRECISION FULL WAVE RECTIFIER WITH

WITH REDUCED ERROR

Applicant Daniel J. Bolda et al.

Client Rockwell

File No. ALR:0067-1/99AB139-A Attorney YOD

Mailed 10/23/02 Filed _____ Due Date 11/20/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Daniel J. Bolda et al.

Serial No.: 09/675,858

Filed: September 29, 2000

For: ADJUSTABLE GAIN PRECISION
FULL WAVE RECTIFIER WITH
REDUCED ERROR§
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§

Group Art Unit: 2819

Examiner: Jeanglaude, Jean B.

Atty Docket: 99AB139-A/YOD
(ALBR:0067--1)Assistant Commissioner
for Patents
Washington, D.C. 20231
ATTN: OFFICIAL DRAFTSMANCERTIFICATE OF MAILING
37 C.F.R. 1.8I hereby certify that this correspondence is being deposited with the U.S.
Postal Service as First Class Mail in an envelope addressed to: Assistant
Commissioner for Patents, Washington, D.C. 20231, on the date below:

10/23/02

Date

Lynda Howell

Sir:

TRANSMITTAL OF FORMAL DRAWINGSEnclosed are two (2) sheets of formal drawings for the above-referenced patent
application.

Respectfully submitted,

Date: 10/23/2002Patrick S. Yoder
Patrick S. Yoder
Reg. No. 37,479
Fletcher, Yoder & Van Someren
P.O. Box 692289
(281) 970-4545

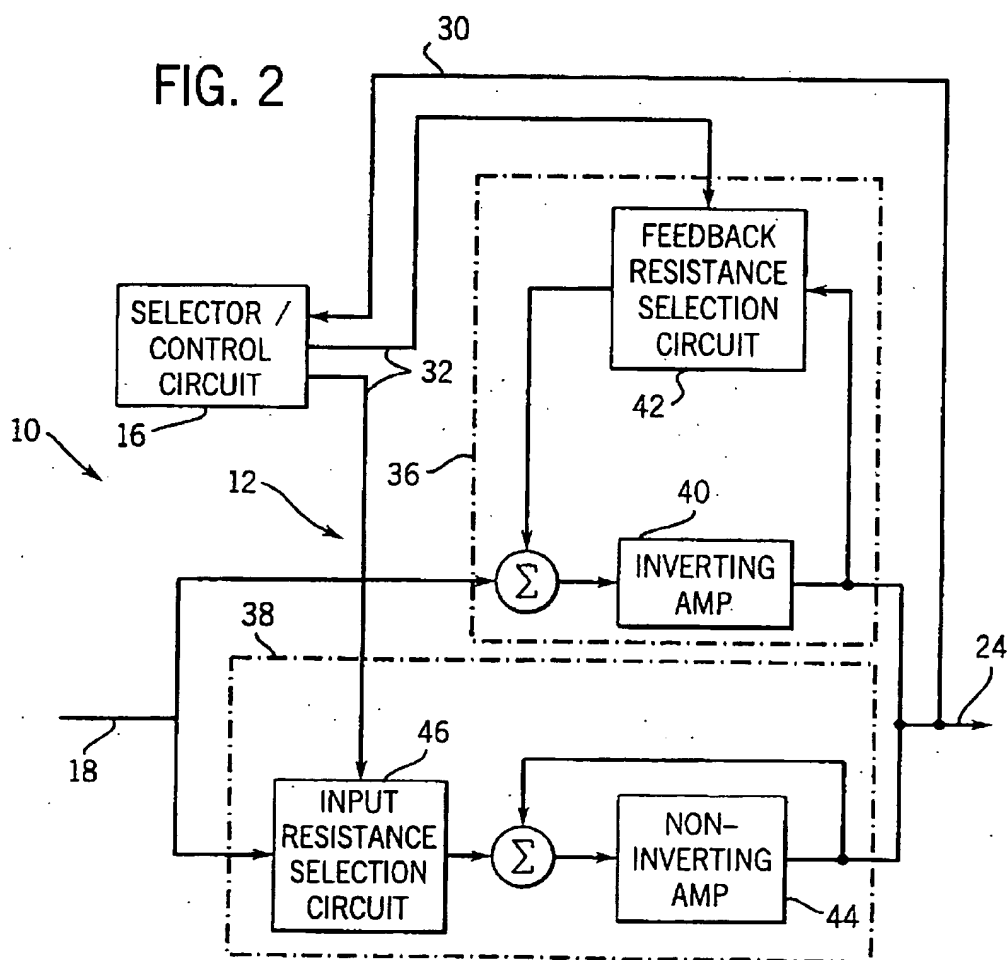
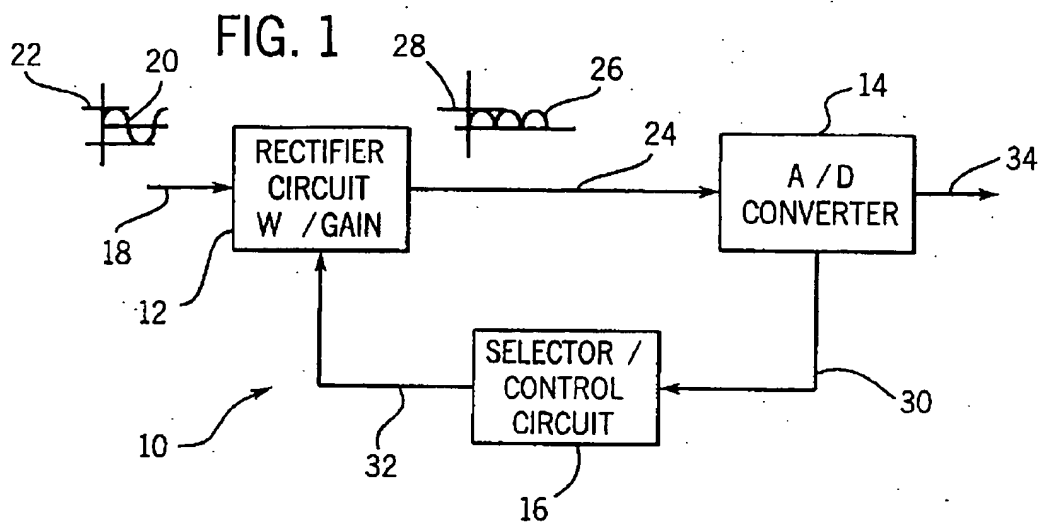
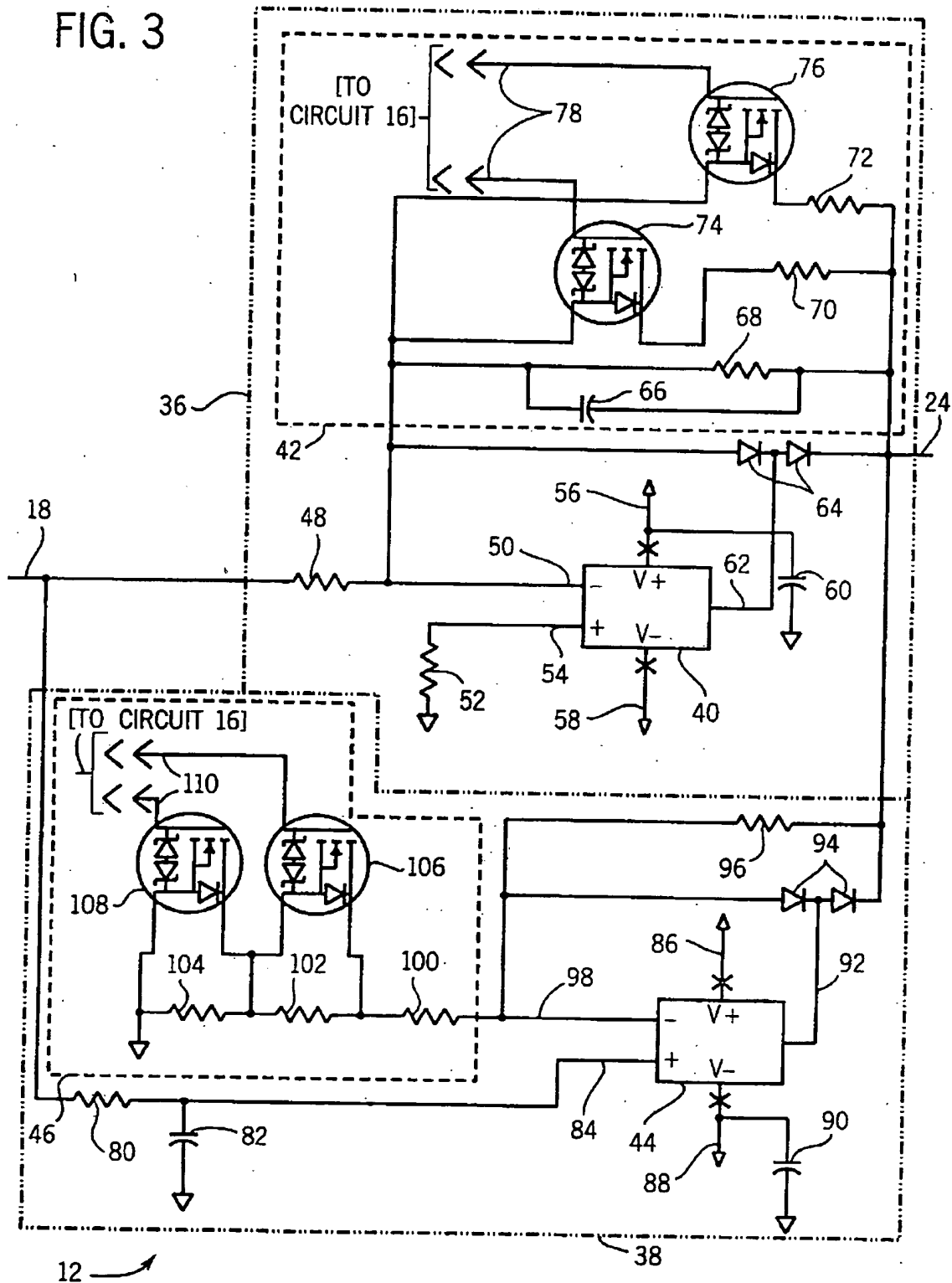


FIG. 3



FLETCHER YODER

A Professional Corporation

Attorneys at Law

7915 FM 1960 West, Suite 330
Houston, Texas 77070Post Office Box 692289
Houston, Texas 77269-2289Telephone (281) 970-4545
Facsimile (281) 970-4503**Facsimile Transmission**

| | |
|-------------------------------------|--|
| DATE: March 15, 2005 | FILE: ALBR:0067-1 |
| TO: Darlene Lyon | COMPANY: U.S. Patent and Trademark Office |
| FROM: Patrick S. Yoder | EXTENSION: (281) 970-4545 |
| FACSIMILE NUMBER: (703) 746-8188 | NUMBER OF PAGES TO FOLLOW: 42 |

URGENT, PLEASE DELIVER IMMEDIATELY

NOTES/COMMENTS:

Re: Serial No. 09/675,858**Please find attached copies of the papers pertaining to the above-identified application as we discussed on March 10.****If you have any questions, please do not hesitate to contact me. Thanks again for your help in this matter.****Sincerely,****Patrick S. Yoder****CONFIDENTIALITY NOTE**

The documents accompanying this facsimile transmission contain information from the law firm of Fletcher Yoder which is confidential or privileged. The information is intended to be for the use of the individual or entity named on this transmission sheet. If you are not the intended recipient, be aware that any disclosure, copying, distribution or use of the contents of this facsimile information is prohibited. If you have received this facsimile in error, please notify us by telephone immediately so that we can arrange for the retrieval of the original documents at no cost to you.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Box ISSUE FEE
Commissioner for Patents
Washington, D.C. 20231
Fax (703)746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

7590

08/20/2002

John J Horn
Rockwell Automation
1201 South Second Street
Milwaukee, WI 53204

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee address above, or being facsimile transmitted to the USPTO, on the date indicated below.

Susan M. Donahue

(Depositor's name)

Susan M. Donahue

(Signature)

November 12, 2002

(Date)

| | | | | |
|-----------------|-------------|----------------------|---------------------|------------------|
| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
| 09/675,858 | 09/29/2000 | Daniel J. Bolda | 99AB139-A | 1079 |

TITLE OF INVENTION: ADJUSTABLE GAIN PRECISION FULL WAVE RECTIFIER WITH REDUCED ERROR

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|-----------|-----------------|------------------|------------|
| nonprovisional | NO | \$1280 | \$0 | \$1280 | 11/20/2002 |

| | | |
|-------------------------|----------|----------------|
| EXAMINER | ART UNIT | CLASS-SUBCLASS |
| JEANGLAUDE, JEAN BRUNER | 2819 | 341-139000 |

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

- 1 Robert A. Van Someren
2 Alexander M. Gerasimow
3 William R. Walbrun

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Rockwell Automation Technologies, Inc. Mayfield Heights, Ohio 44124

Please check the appropriate assignee category or categories (will not be printed on the patent)

☐ individual ☒ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
☐ Publication Fee
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s):

- ☐ A check in the amount of the fee(s) is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☒ The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 01-0857 (enclose an extra copy of this form).

Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature)

(Date)

Alexander M. Schreiner 11-12-02

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application for a patent. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 17 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form, your suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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ALBR:0067--

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ROCKWELL AUTOMATION

NO. 961 P. 2



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Washington, D.C. 20231
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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/675,858 | 09/29/2000 | Daniel J. Bolds | 99AB139-A | 1079 |

7590

01/07/2003

John J. Horri
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Milwaukee, WI 53204

EXAMINER

JEANGLAUDE, JEAN BRUNER

ART UNIT

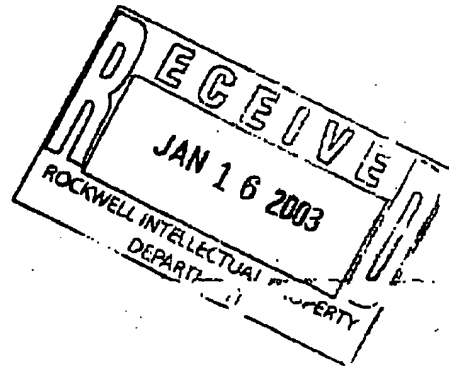
PAPER NUMBER

2819

DATE MAILED: 01/07/2003

PH16

Please find below and/or attached an Office communication concerning this application or proceeding.



RESPONSE DUE

PTO-90C (Rev. 07-01)

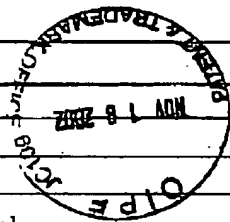
JAN. 16. 2003 11:43AM

ROCKWELL AUTOMATION

NO. 961

P. 4

Please indicate receipt of the materials enclosed herewith by stamping
and mailing this card:

Applicant Daniel J. Bolda, et al.Serial # 09/675,858Filed September 29, 2000For Adjustable Gain Precision Full Wave Rectifier
with Reduced ErrorDocket No./Attorney 99AB139-A / RAV/AMGItem PART B - ISSUE FEE TRANSMITTALDate Mailed November 12, 2002 By SMDonahue

RE5015A

JAN. 16. 2003 11:42AM

ROCKWELL AUTOMATION

NO. 961 P. 3


UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

 Address: COMMISSIONER OF PATENTS AND TRADEMARKS
 Washington, D.C. 20231

| | | | |
|--------------------|-------------|-----------------------|---------------------|
| APPLICATION NUMBER | FILING DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NO. |
|--------------------|-------------|-----------------------|---------------------|

09/675,858

| |
|----------|
| EXAMINER |
|----------|

| | |
|----------|--------------|
| ART UNIT | PAPER NUMBER |
|----------|--------------|

P H 16

DATE MAILED:

NOTICE OF ABANDONMENT

This application is abandoned in view of:

- ☐ Applicant's failure to timely file a proper response to the Office letter mailed on _____.
- ☐ A response (with a Certificate of Mailing or Transmission of _____) was received on _____, which is after the expiration of the period for response (including a total extension of time of _____ month(s)) which expired on _____.
- ☐ A proposed response was received on _____, but it does not constitute a proper response to the final rejection.

(A proper response to a final rejection consists only of: a timely filed amendment which places the application in condition for allowance; a Notice of Appeal; or the filing of a continuing application under 37 CFR 1.62 (FWC).

- ☐ No response has been received.
- ☐ Applicant's failure to timely pay the required issue fee within the statutory period of three months from the mailing date of the Notice of Allowance.
- ☐ The issue fee (with a Certificate of Mailing or Transmission of _____) was received on _____.
- ☐ The submitted issue fee of \$_____ is insufficient. The issue fee required by 37 CFR 1.18 is \$_____.
- ☐ The issue fee has not been received.

☒ Applicant's failure to timely file new formal drawings as required in the Notice of Allowability.

- ☐ Proposed new formal drawings (with a Certificate of Mailing or Transmission of _____) were received on _____.
- ☐ The proposed new formal drawings filed _____ are not acceptable.
- ☒ No proposed new formal drawings have been received.
- ☐ The express abandonment under 37 CFR 1.62(g) in favor of the FWC application filed on _____.
- ☐ The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.
- ☐ The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a) upon the filing of a continuing application.
- ☐ The decision by the Board of Patent Appeals and Interferences rendered on _____ and because the period for seeking court review of the decision has expired and there are no allowed claims.
- ☐ The reason(s) below:

ABANDONMENT
CONTACT PERSON IS:
TOM HAWKINS
305-8380

JAN. 16. 2003 11:43AM

ROCKWELL AUTOMATION

NO. 961 P. 5

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail Box ISSUE FEE**
Commissioner for Patents
Washington, D.C. 20231
Fax (703)746-4000

INSTRUCTIONS: This form should be used for transmitting the **ISSUE FEE** and **PUBLICATION FEE** (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Name Legibly mark-up with any corrections of use Block 1)

7590

08/20/2002

John J Horn
 Rockwell Automation
 1201 South Second Street
 Milwaukee, WI 53204

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee address above, or being facsimile transmitted to the USPTO, on the date indicated below.

Susan M. Donahue

(Depositor's name)

Susan M. Donahue

(Signature)

November 12, 2002

(Date)

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/675,858 | 09/29/2000 | Daniel J. Bolda | 99AB139-A | 1079 |

TITLE OF INVENTION: ADJUSTABLE GAIN PRECISION FULL WAVE RECTIFIER WITH REDUCED ERROR

| APPL. TYPE | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|-----------|-----------------|------------------|------------|
| nonprovisional | NO | \$1280 | \$0 | \$1280 | 11/20/2002 |

| EXAMINER | ART UNIT | CLASS-SUBCLASS |
|-------------------------|----------|----------------|
| JEANGLAUDE, JEAN BRUNER | 2819 | 341-139000 |

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev. 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1. Robert A. Van Someren

2. Alexander M. Gerasimow

3. William R. Walbrum

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Rockwell Automation Technologies, Inc. Mayfield Heights, Ohio 44124

Please check the appropriate assignee category or categories (will not be printed on the patent)

☐ individual ☒ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

☒ Issue Fee☐ Publication Fee☐ Advance Order - # of Copies

4b. Payment of Fee(s):

☐ A check in the amount of the fee(s) is enclosed.☐ Payment by credit card. Form PTO-2038 is attached.☒ The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 01-0857 (enclose an extra copy of this form).

Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature)

(Date)

Alexander M. Gerasimow 11-12-02

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMIT THIS FORM WITH FEE(S)

PTOL-85 (REV. 04-02) Approved for use through 01/31/2004, OMB 0651-0033

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

JAN. 16. 2003 11:43AM

ROCKWELL AUTOMATION

NO. 961

P. 6

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Daniel J. Bolda et al.

Serial No.: 09/675,858

Filed: September 29, 2000

For: ADJUSTABLE GAIN PRECISION
FULL WAVE RECTIFIER WITH
REDUCED ERROR§
§ Group Art Unit: 2819
§
§
§§ Examiner: Jeanglaude, Jean B.
§
§§ Atty Docket: 99AB139-A/YOD
§ (ALBR:0067-1)
§Assistant Commissioner
for Patents
Washington, D.C. 20231
ATTN: OFFICIAL DRAFTSMANCERTIFICATE OF MAILING
37 C.F.R. 1.8I hereby certify that this correspondence is being deposited with the U.S.
Postal Service as First Class Mail in an envelope addressed to: Assistant
Commissioner for Patents, Washington, D.C. 20231, on the date below:

10/23/02

Date

Lynda Howell

Sir:

TRANSMITTAL OF FORMAL DRAWINGSEnclosed are two (2) sheets of formal drawings for the above-referenced patent
application.

Respectfully submitted,

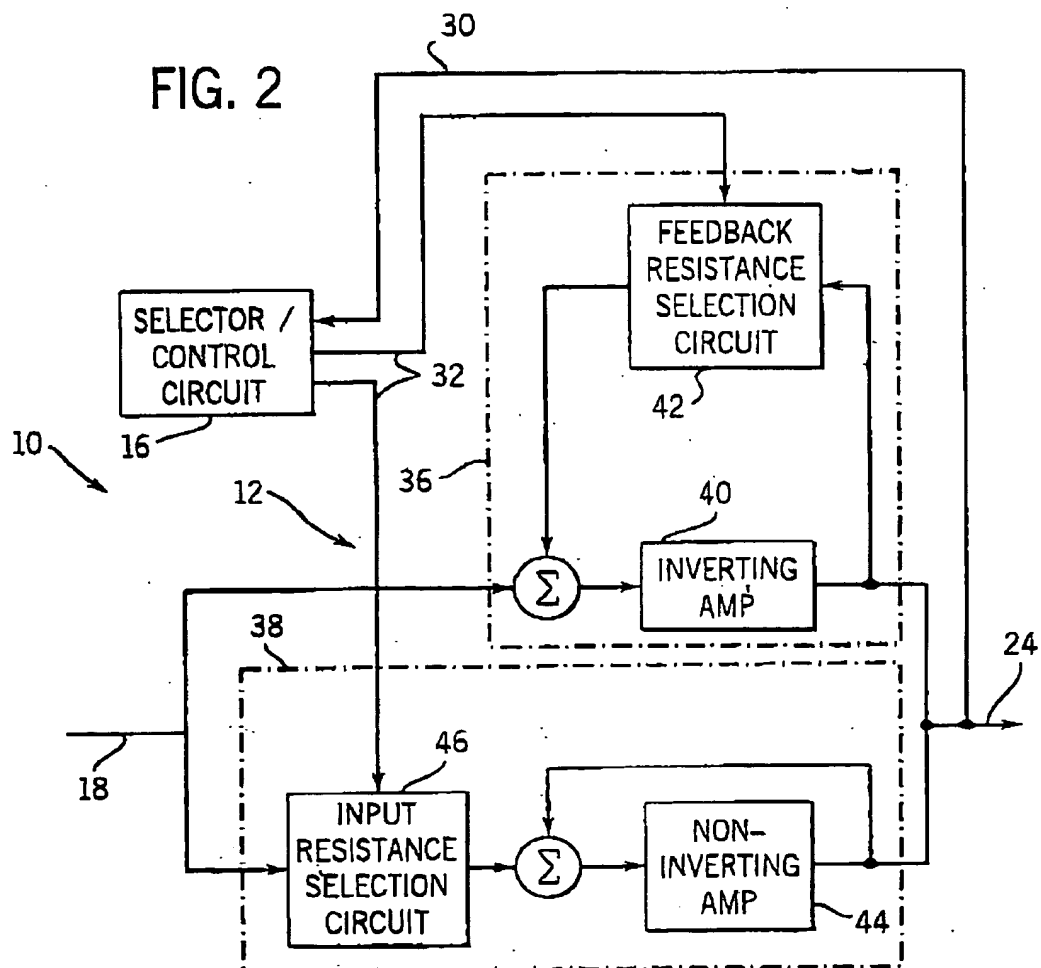
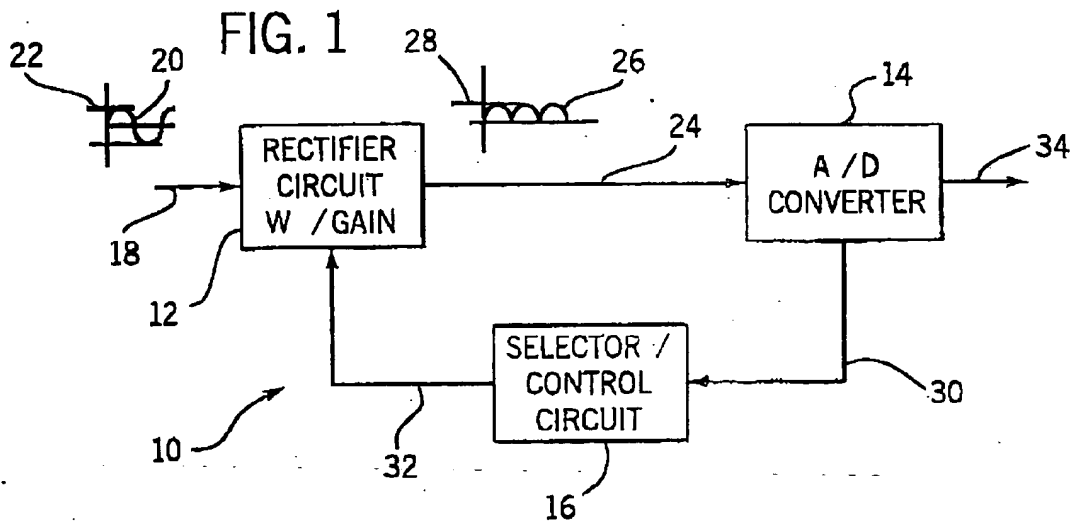
Date: 10/23/2002

Patrick S. Yoder
Reg. No. 37,479
Fletcher, Yoder & Van Someren
P.O. Box 692289
(281) 970-4545

JAN. 16. 2003 11:43AM

ROCKWELL AUTOMATION

NO. 961 P. 7

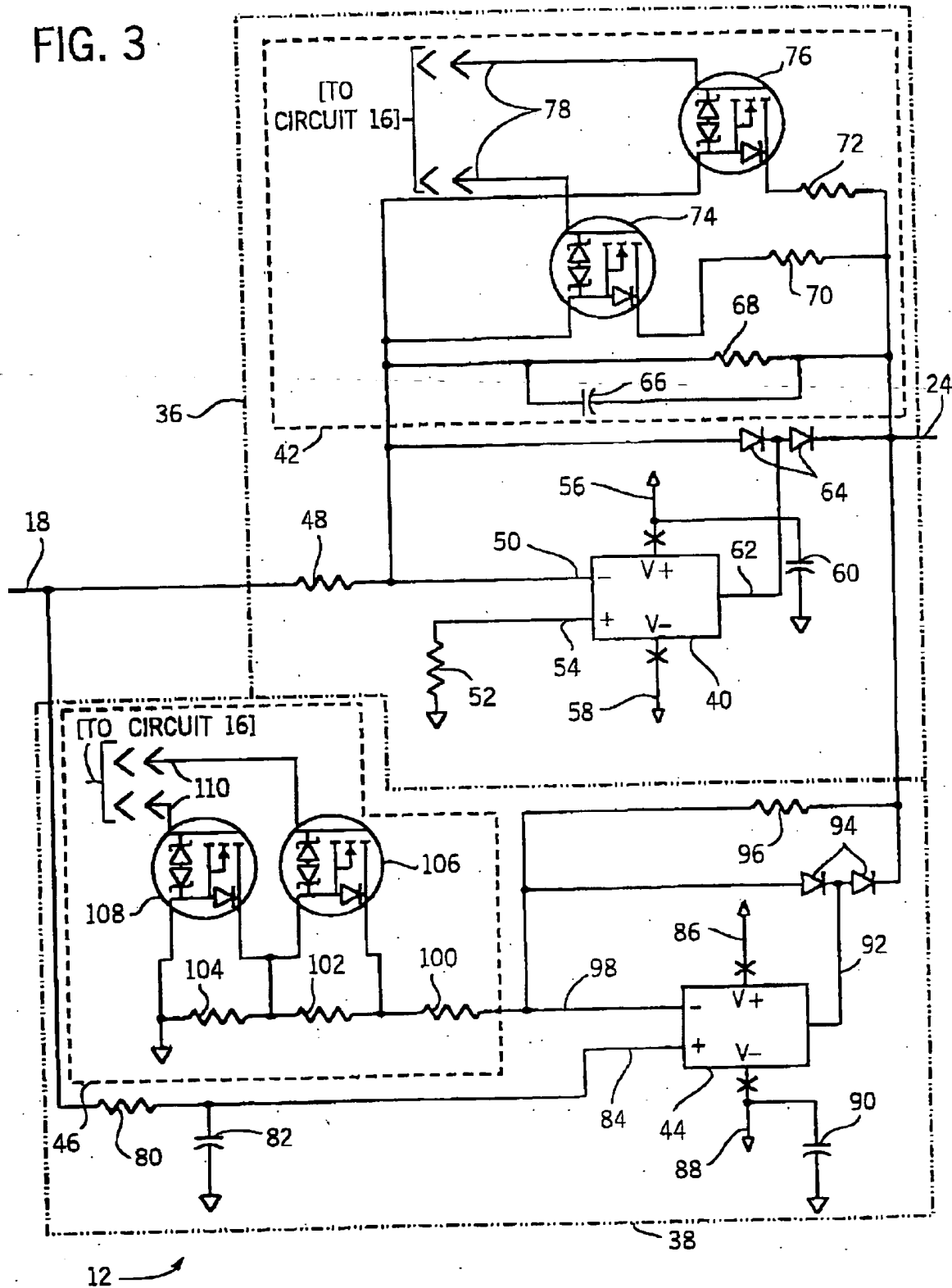


JAN. 16. 2003 11:44AM

ROCKWELL AUTOMATION

NO. 961 P. 8

FIG. 3



Please indicate receipt of
the below-identified paper:

Please indicate receipt of
the below-identified paper:

- ☐ New Application ☐ Specification: _____ Pages; —Drawings: _____ Sheets
- ☐ Continuation ☐ Divisional ☐ CIP ☐ CPA
- ☐ Response to Office Action dated _____ ☐ Final Rejection
- ☒ Other Petition to Withdraw Holding of Abandonment: Exhibits 1-7 including
Declaration of Lynda Howell: a set of formal drawings
- ☐ Assignment enclosed ☒ Cert. Of Timely Mailing ☐ Express Mail

Identification of Application:

Serial No. 09/675,858

Title ADJUSTABLE GAIN PRECISION FULL-WAVE RECTIFIER
WITH REDUCED ERROR

Applicant Daniel J. Bolda et al. **Office of Patent Publication**

Client Rockwell **Director's Office**

File No. ALBR-0067-1/99AB139-A Attorney YOD

Mailed 01/23/03 Filed _____ Due Date _____

RECEIVED

JAN 30 2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Daniel J. Bolda et al.

Serial No.: 09/675,858


Filed: September 29, 2000

For: ADJUSTABLE GAIN PRECISION
FULL WAVE RECTIFIER WITH
REDUCED ERROR§
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§
§
§

Group Art Unit: 2819

Examiner: Jeanglaude, Jean B.

Atty. Docket: 99AB139-A/YOD
ALBR:0067--1Assistant Commissioner
for Patents
Washington, D.C. 20231

| CERTIFICATE OF MAILING | |
|---|--|
| 37 C.F.R. 1.8 | |
| I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date below: | |
| January 23, 2003 |  |
| Date | Lynda Howell |

Sir:

**PETITION UNDER 37 C.F.R. § 1.181 (or § 1.8 (b))
TO WITHDRAW HOLDING OF ABANDONMENT**

This Petition is filed in response to the Notice of Abandonment (Exhibit 1) mailed on January 7, 2003. The Notice of Abandonment states that no proposed new formal drawings were received and that the above-referenced application has been abandoned because of Applicants' failure to timely file new formal drawings as required in the Notice of Allowability (Exhibit 2). In view of the remarks set forth below, Applicants respectfully request withdrawal of the holding of abandonment.

On October 23, 2002, Applicants timely filed new formal drawings as required in the Notice of Allowability. Attached is a copy of the transmittal (Exhibit 3) with the accompanying certificate of mailing and formal drawings. Also attached is the postcard (Exhibit 4) evidencing receipt by the Patent & Trademark Office on October 29, 2002.

Serial no. 09/675,858
Petition under 37 CFR § 1.181
Page 2

In view of these facts, a complete response to the Notice of Allowance was filed in a timely manner, so the above-referenced application was not abandoned and should not now be considered abandoned. Accordingly, it is respectfully requested that the attached documents be accepted and entered into the file for the above-referenced application. It is further respectfully requested that the Commissioner withdraw the holding of abandonment and reinstate the application with its original filing date.

For additional support, attached are a Statement (Exhibit 5) attesting on a personal knowledge basis to the timely mailing of the formal drawings, a copy of the issue fee transmittal (Exhibit 6), and a copy of the postcard (Exhibit 7) evidencing receipt of the issue fee transmittal. Finally, clean copies of the two sheets of formal drawings are enclosed.

It is not believed per 37 C.F.R. § 1.181 (or § 1.8(b)) that any fees are required for filing this Petition. However, the Commissioner is authorized to charge Assignee's Deposit Account No. 01-0857; Order No. 99AB139A/YOD (ALBR:0067--1) for any fees which may be required.

Respectfully submitted,

Date: 1/23/2003

Pat S. Yoder
Patrick S. Yoder
Reg. No. 37,479
Fletcher, Yoder & Van Someren
P.O. Box 692289
Houston, TX 77269-2289

CORRESPONDENCE ADDRESS
ALLEN-BRADLEY COMPANY, LLC
Patent Department/704P Floor 8 T-29
1201 South Second Street
Milwaukee, Wisconsin 53204
Attention: Mr. Alexander Gerasimow
Phone: (414) 382-2000

JAN. 16. 2003 11:42AM

ROCKWELL AUTOMATION

EXHIBIT

NO. 961

P. 2

p. 1/2



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20531
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/675,858 | 09/29/2000 | Daniel J. Bolda | 99AB139-A | 1079 |

7590

01/07/2003

John J Horn
Rockwell Automation
1201 South Second Street
Milwaukee, WI 53204

EXAMINER

JEANGLAUDE, JEAN BRUNER

ART UNIT

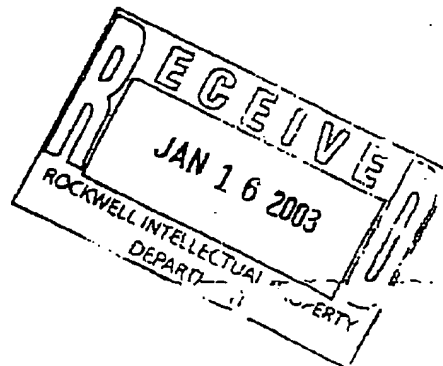
PAPER NUMBER

2819

DATE MAILED: 01/07/2003

PH16

Please find below and/or attached an Office communication concerning this application or proceeding.



RESPONSE DUE

PTO-90C (Rev. 07-01)

MAR 16 2003 11:42AM

ROCKWELL AUTOMATION

NO. 961 P. 3

P. 2/2

EXHIBIT 1



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
 Address: COMMISSIONER OF PATENTS AND TRADEMARKS
 Washington, D.C. 20231

| | | | |
|--------------------|-------------|-----------------------|---------------------|
| APPLICATION NUMBER | FILING DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NO. |
|--------------------|-------------|-----------------------|---------------------|

09/675,858

| |
|----------|
| EXAMINER |
|----------|

| | |
|----------|--------------|
| ART UNIT | PAPER NUMBER |
|----------|--------------|

P. 1/16

DATE MAILED:

NOTICE OF ABANDONMENT

This application is abandoned in view of:

- ☐ Applicant's failure to timely file a proper response to the Office letter mailed on _____.
- ☐ A response (with a Certificate of Mailing or Transmission of _____) was received on _____, which is after the expiration of the period for response (including a total extension of time of _____ month(s)) which expired on _____.
- ☐ A proposed response was received on _____, but it does not constitute a proper response to the final rejection.
- (A proper response to a final rejection consists only of: a timely filed amendment which places the application in condition for allowance; a Notice of Appeal; or the filing of a continuing application under 37 CFR 1.62 (FWC).
- ☐ No response has been received.
- ☐ Applicant's failure to timely pay the required issue fee within the statutory period of three months from the mailing date of the Notice of Allowance.
- ☐ The issue fee (with a Certificate of Mailing or Transmission of _____) was received on _____.
- ☐ The submitted issue fee of \$_____ is insufficient. The issue fee required by 37 CFR 1.18 is \$_____.
- ☐ The issue fee has not been received.
- ☒ Applicant's failure to timely file new formal drawings as required in the Notice of Allowability.
- ☐ Proposed new formal drawings (with a Certificate of Mailing or Transmission of _____) were received on _____.
- ☐ The proposed new formal drawings filed _____ are not acceptable.
- ☒ No proposed new formal drawings have been received.
- ☐ The express abandonment under 37 CFR 1.62(g) in favor of the FWC application filed on _____.
- ☐ The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.
- ☐ The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a) upon the filing of a continuing application.
- ☐ The decision by the Board of Patent Appeals and Interferences rendered on _____ and because the period for seeking court review of the decision has expired and there are no allowed claims.
- ☐ The reason(s) below:

ABANDONMENT
CONTACT PERSON IS:
TOM HAWKINS
305-8380

E: 118:IT 2

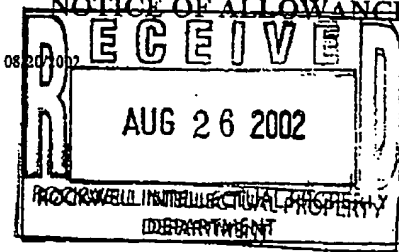
P: 1/3



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE



7590
John J Horn
Rockwell Automation
1201 South Second Street
Milwaukee, WI 53204

EXAMINER

JEANGLAUDE, JEAN BRUNER

ART UNIT

CLASS-SUBCLASS

2819

341-13900

DATE MAILED: 08/20/2002

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/675,858 | 09/29/2000 | Daniel J. Bolda | 99AB139-A | 1079 |

TITLE OF INVENTION: ADJUSTABLE GAIN PRECISION FULL WAVE RECTIFIER WITH REDUCED ERROR

DOCKETED
BY *[Signature]*
CHECKED *[Signature]*

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|-----------|-----------------|------------------|------------|
| nonprovisional | NO | \$1280 | 50 | \$1280 | 11/20/2002 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

☐ Applicant claims SMALL ENTITY status.
See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

RAV ALBR:0067

EXHIBIT 2

P. 2/3

ALR

Notice of Allowability

Application No.

09/675,858

Applicant(s)

BOLDA ET AL.

Examiner

Jean B Jeanglaude

Art Unit

2819

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment files on 06-19-02.
2. ☒ The allowed claim(s) is/are 32-69.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☒ CORRECTED DRAWINGS must be submitted.
 - (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☒ to Paper No. 9.
 - (b) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the top margin (not the back) of each sheet. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892) | 2 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 4 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____ |
| 5 <input type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____ | 6 <input type="checkbox"/> Examiner's Amendment/Comment |
| 7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9 <input type="checkbox"/> Other |

Peguy Jean Pierre
PEGUY JEANPIERRE
PRIMARY EXAMINER

F HIBIT 2

p. 7/3



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER OF PATENTS AND TRADEMARKS
 Washington, D.C. 20231
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/675,858 | 09/29/2000 | Daniel J. Bolda | 99AB139-A | 1079 |

7390 08/20/2002

EXAMINER

JEANGLAUDE, JEAN BRUNER

ART UNIT

PAPER NUMBER

2819

DATE MAILED: 08/20/2002

John J Horn
 Rockwell Automation
 1201 South Second Street
 Milwaukee, WI 53204

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
 (application filed on or after May 29, 2000)

The patent term adjustment to date is 0 days. If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the term adjustment will be 0 days.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (<http://pair.uspto.gov>)

JAN. 16. 2003 11:43AM

ROCKWELL AUTOMATION

EXHIBIT 3

NO. 961

P. 6

P. 1/3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Daniel J. Bolda et al.

Serial No.: 09/675,858

Filed: September 29, 2000

For: ADJUSTABLE GAIN PRECISION
FULL WAVE RECTIFIER WITH
REDUCED ERROR§
§
§
§
§
§
§
§
§

Group Art Unit: 2819

Examiner: Jeanglaude, Jean B.

Atty Docket: 99AB139-A/YOD
(ALBR:0067-1)Assistant Commissioner
for Patents
Washington, D.C. 20231
ATTN: OFFICIAL DRAFTSMANCERTIFICATE OF MAILING
37 C.F.R. 1.8I hereby certify that this correspondence is being deposited with the U.S.
Postal Service as First Class Mail in an envelope addressed to: Assistant
Commissioner for Patents, Washington, D.C. 20231, on the date below:

10/23/02

Date

Lynda Howell

Sir:

TRANSMITTAL OF FORMAL DRAWINGSEnclosed are two (2) sheets of formal drawings for the above-referenced patent
application.

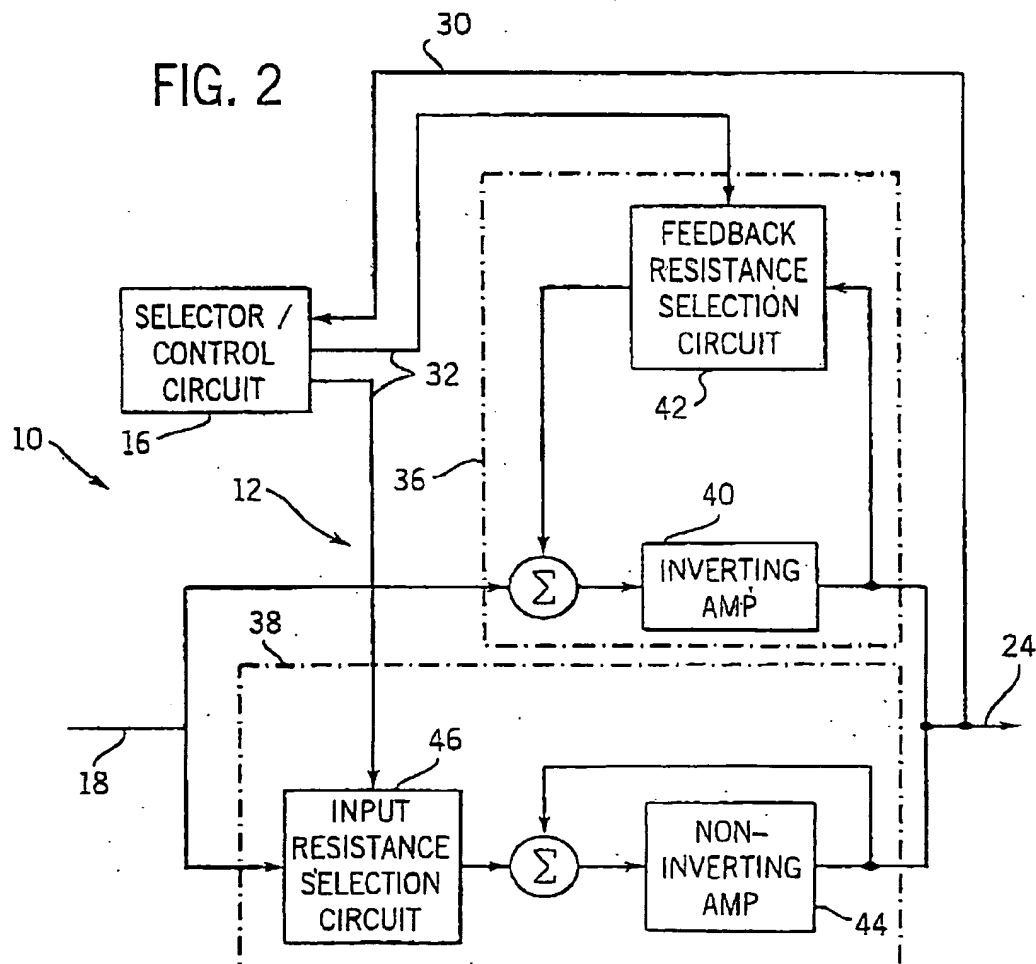
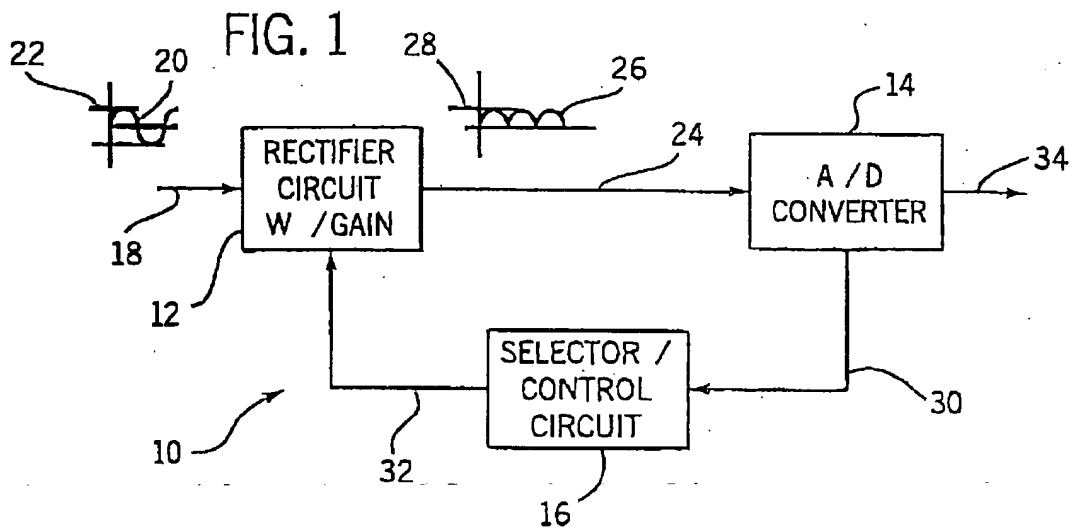
Respectfully submitted,

Date: 10/23/2002

Patrick S. Yoder
Reg. No. 37,479
Fletcher, Yoder & Van Someren
P.O. Box 692289
(281) 970-4545

EXHIBIT 3

p 2/3



JAN. 16. 2003 11:44AM

ROCKWELL AUTOMATION

NO. 961 P. 8

EXHIBIT 3

p. 3/3

FIG. 3

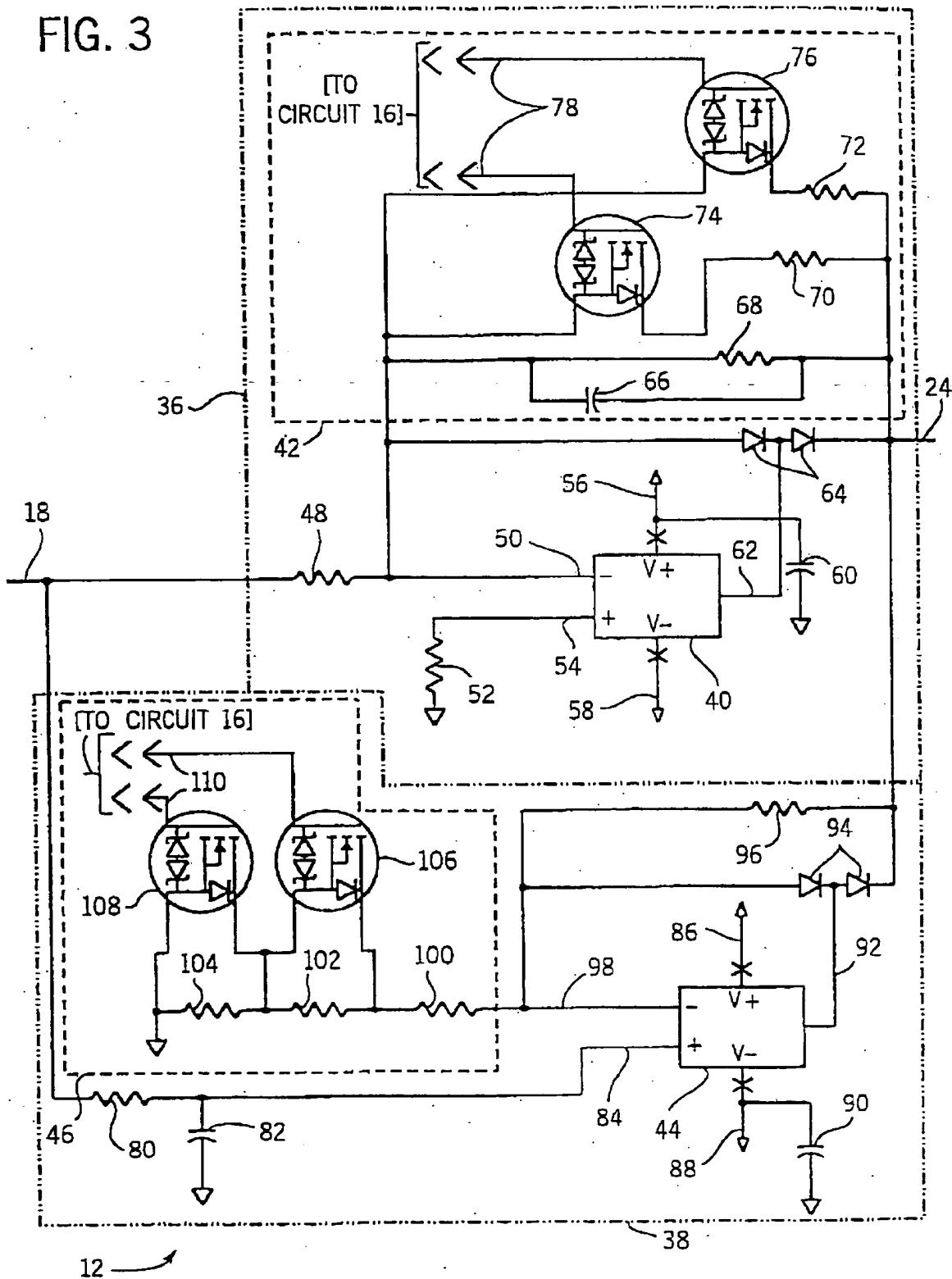


EXHIBIT 4

p. 1/1

Please indicate receipt of
the below-identified paper:

☐ New application Specification: _____ Pages; Drawings: _____ Sheets

☐ Continuation ☐ Divisional ☐ CIP ☐ FCPA

☐ Response to Office Action dated _____ ☐ Final Rejection
☒ Other Transmittal of Formal Drawings; 3 sheets of formal drawings

☐ Assignment enclosed ☒ Cert. Of Timely Mailing ☐ Express Mail

Identification of Application:

Serial No. 09/575,858Title ADJUSTABLE GAIN PRECISION FULL WAVE RECTIFIER WITH
WITH REDUCED ERRORApplicant Daniel J. Bolda et al.Client ~~XXXXXX~~ RockwellFile No. ALBR:0067-1/99A3139-AMailed 10/23/02

Filed _____

Attorney YODDue Date 11/20/02

Exhibit 5

P. 1/2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
|--------------------------------|---|-------------------------------|
| In re Application of: | § | |
| Daniel J. Bolda et al. | § | |
| Serial No.: 09/675,858 | § | Group Art Unit: 2819 |
| Filed: September 29, 2000 | § | Examiner: Jeanglaude, Jean B. |
| For: ADJUSTABLE GAIN PRECISION | § | Atty. Docket: 99AB139-A/YOD |
| FULL WAVE RECTIFIER WITH | § | ALBR:0067-1 |
| REDUCED ERROR | § | |

Sir:

DECLARATION OF LYNDA HOWELL IN SUPPORT OF
PETITION UNDER 37 C.F.R. § 1.181 (or 1.8(b)) TO
WITHDRAW HOLDING OF ABANDONMENT

I, Lynda Howell, a citizen of the United States of America, declare that:

1. All statements herein made of my own knowledge are true and that all statements herein made on information and belief are believed to be true and, further, that these statements are made with the knowledge that willful false statements, and the like, are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that such willful false statements may jeopardize the validity of the Application or any patent issuing thereon.
2. I reside at 7722 Covington Drive, Houston, Texas, 77095.
3. I am employed at the firm of Fletcher, Yoder & Van Someren, located at 7915 FM 1960 West, Suite 330, Houston, Texas 77070. I support Pat Yoder who is outside counsel to Allen-Bradley Company and the attorney of record in the above-referenced Patent Application.
4. On October 23, 2002, I filed the transmittal with attached formal drawings for the above-referenced Patent Application, and executed the accompanying certificate of mailing.

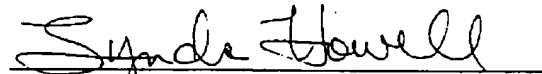
P. 2/2

Serial no. 09/675,858

Declaration of Lynda Howell in Support of Petition

Page 2

5. I attest on a personal knowledge basis to the timely mailing of the formal drawings on October 23, 2002 for the above-referenced Patent Application in response to the Notice of Allowance mailed on August 20, 2002.

Date: 1/23/03

Lynda Howell
Fletcher, Yoder & Van Someren
P.O. Box 692289
Houston, TX 77269-2289
Tel.: (281) 970-4545
Fax: (281) 970-4503

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ROCKWELL AUTOMATION

EXHIBIT 6

NO. 961

P. 5

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Box ISSUE FEE
 Commissioner for Patents
 Washington, D.C. 20231
Fax (703)746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)
 7590 08/20/2002

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

John J Horn
 Rockwell Automation
 1201 South Second Street
 Milwaukee, WI 53204

Certificate of Mailing or Transmission
 I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee address above, or being facsimile transmitted to the USPTO, on the date indicated below.

Susan M. Donahue (Depositor's name)
 Susan M. Donahue (Signature)
 November 12, 2002 (Date)

| APPLICATION NO. | FILING DATE | FIRST NAME INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|---------------------|---------------------|------------------|
| 09/675,838 | 09/29/2000 | Daniel J. Bolde | 99AB139-A | 1079 |

TITLE OF INVENTION: ADJUSTABLE GAIN PRECISION FULL WAVE RECTIFIER WITH REDUCED ERROR

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|-----------|-----------------|------------------|------------|
| nonprovisional | NO | \$1280 | \$0 | \$1280 | 11/20/2002 |

| EXAMINER | ART UNIT | CLASS SUBCLASS |
|-------------------------|----------|----------------|
| JEANGLAUDE, JEAN BRUNER | 2819 | 34-139000 |

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Robert A. Van Someren
 2 Alexander M. Gerasimow
 3 William R. Walbrun

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE (CITY and STATE OR COUNTRY)

Rockwell Automation Technologies, Inc. Mayfield Heights, Ohio 44124

Please check the appropriate assignee category or categories (will not be printed on the patent) ☐ individual ☒ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

☒ Issue Fee

☐ Publication Fee

☐ Advance Order - # of Copies _____

4b. Payment of Fee(s):

☐ A check in the amount of the fee(s) is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☒ The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 01-0857 (enclose an extra copy of this form).

Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature)

(Date)

Alexander M. Gerasimow 11-12-02

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMIT THIS FORM WITH FEE(S)

PTOL-S5 (REV. 04-02) Approved for use through 01/31/2004. OMB 0651-0033

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

JAN. 16. 2003 11:43AM

ROCKWELL AUTOMATION

NO. 961

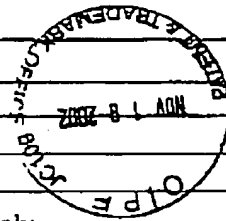
P. 4

EXHIBIT

P. 1/1

Please indicate receipt of the materials enclosed herewith by stamping
and mailing this card.

Applicant Daniel J. Bolda, et al.
Serial # 09/675,858
Filed September 29, 2000
For Adjustable Gain Precision Full Wave Rectifier
with Reduced Error
Docket No./Attorney 99AB139-A / RAV/AMG
Item PART B - ISSUE FEE TRANSMITTAL
Date Mailed November 12, 2002 By SMDonahue



RE5015A

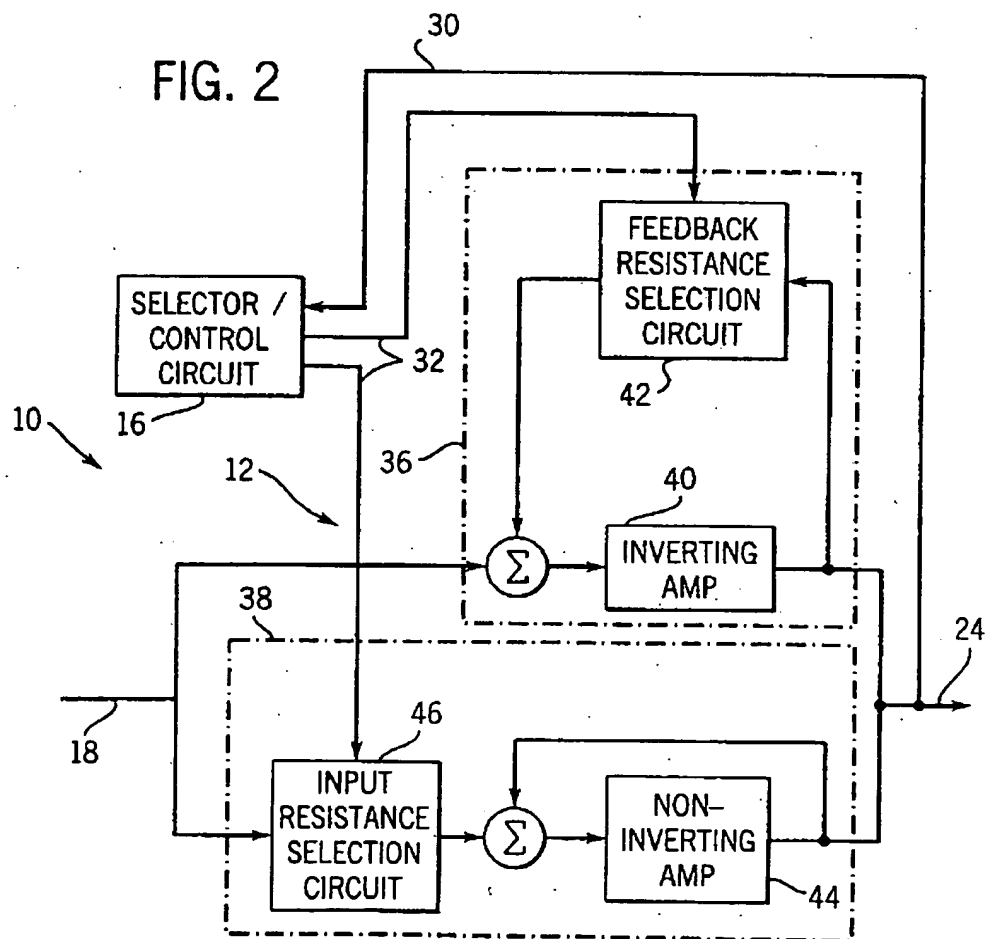
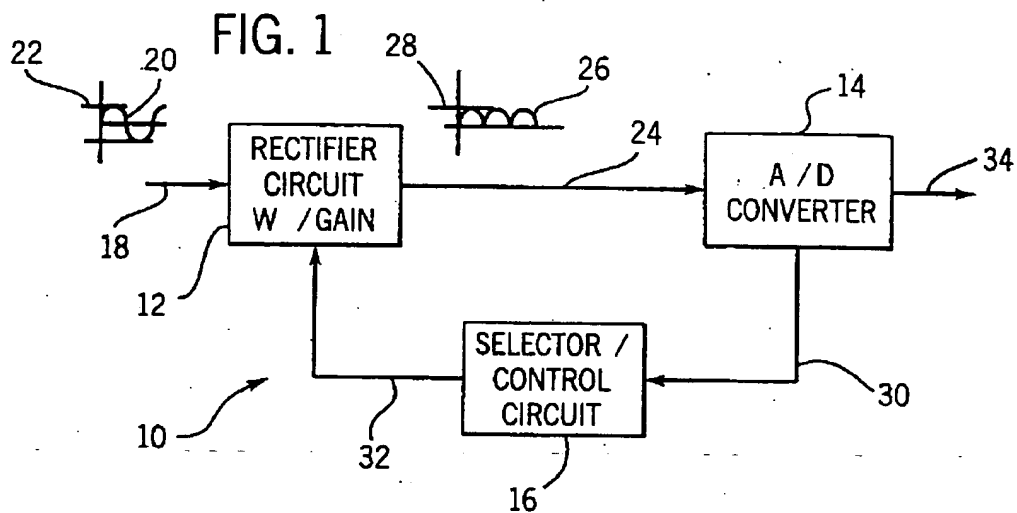
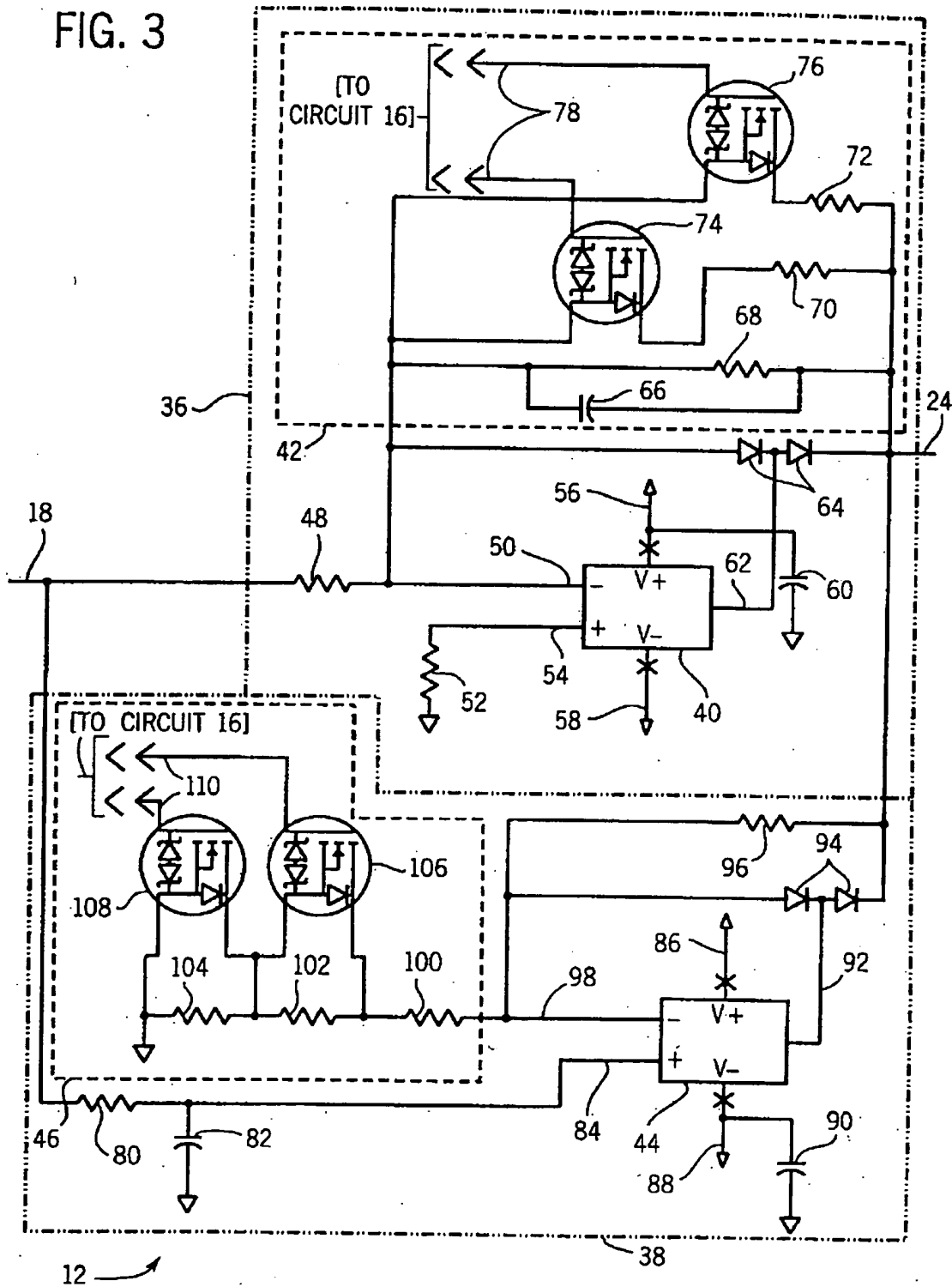


FIG. 3



Please indicate receipt of
the below-identified paper:

☐ New Application ☐ Specification: _____ Pages: _____ Drawings: _____ Sheets
☐ Continuation ☐ Divisional ☐ CIP ☐ CPA

Please indicate receipt of
the below-identified paper:

☐ New Application ☐ Specification: _____ Pages: _____ Drawings: _____ Sheets
☐ Continuation ☐ Divisional ☐ CIP ☐ CPA

☐ Response to Office Action dated _____ ☐ Final Rejection
☒ Other Status Inquiry

☐ Assignment enclosed ☒ Cert. Of Timely Mailing



Identification of Application:

Serial No. 09/675,858

Title ADJUSTABLE GAIN PRECISION FULL WAVE RECTIFIER
WITH REDUCED ERROR

Applicant Daniel J. Bolda et al.

Client Rockwell 67-1

File No. ALBR 0405799AB139-A

Mailed 02/11/04

Filed _____

Attorney YOD
Due Date _____

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Daniel J. Bolda et al.

Serial No.: 09/675,858

Filed: September 29, 2000

For: ADJUSTABLE GAIN PRECISION
FULL WAVE RECTIFIER WITH
REDUCED ERROR§
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Group Art Unit: 2819

Examiner: Jeanglaude, Jean B.

Atty. Docket: ALBR:0067-1/YOD
99AB139-ACommissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450CERTIFICATE OF MAILING
37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below:

February 11, 2004

Date

Lynda Howell

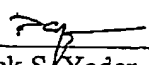
STATUS INQUIRY

A Petition under 37 C.F.R. § 1.181 (or 1.8(b)) to Withdraw Holding of Abandonment was filed on January 23, 2003 for above-referenced application and received in the Office of Patent Publication Director's Office on January 30, 2003. We again submitted the Petition to Withdraw Holding of Abandonment (via Facsimile) on November 5, 2003 to Examiner Hien Phan. However, since that time, Applicants have received no response from the United States Patent and Trademark Office. Applicants respectfully request that the Patent Office provide the undersigned with the current status of the above-referenced application.

The Patent Office is encouraged to contact the undersigned at the number listed below with any questions.

Respectfully submitted,

Date: 2/11/2004


Patrick S. Yoder
Reg. No. 37,479
FLETCHER YODER
P.O. Box 692289
Houston, TX 77269-2289
(281) 970-4545